

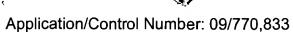
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/770,833	01/25/2001	Carl S. Brown	11532-003001	7286	
75	90 05/28/2004		EXAMI	NER	
Pillsbury Winthrop LLP			CHOOBIN	CHOOBIN, BARRY	
Intellectual Property Group 11682 El Camino Real Suite 200 San Diego, CA 92130			ART UNIT	PAPER NUMBER	
		•	2625		
		• 10	DATE MAILED: 05/28/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>		Application No.	Applicant/s)				
Office Action Summany		Application No.	Applicant(s)				
		09/770,833	BROWN ET AL.				
	Office Action Summary	Examiner	Art Unit				
	The MAN INC DATE of this communication	Barry Choobin	2625				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status	Decreasing to personnication(a) filed an						
) Responsive to communication(s) filed on						
,	,—	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
	4) Claim(s) 1-21 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
·	5) Claim(s) 7-21 is/are allowed.						
·	6)⊠ Claim(s) <u>1</u> is/are rejected. 7)⊠ Claim(s) <u>3-6</u> is/are objected to.						
	• • •	or election requirement					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. §§ 119 and 120							
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific							
reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.							
Attachmen	t(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)							
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)		atent Application (PTO-152)				



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DETAILED ACTION

Response to Arguments

1. As to claim 1, Applicant's arguments filed March 18, 2004 have been fully considered but they are not persuasive.

As to claim 1, Applicant argues that prior art of record fails to teach or fairly suggest determining constant background intensity responsive to least squares fit.

The Examiner disagrees. Patton discloses least squares image in Fig.5, and a 7 by 7 least squares best fit template for reducing noise (see page 70, Fig.5). Subsequently in page 71 Patton teaches background determination by using a frequency histogram for different region and a Gaussian curve is fitted to low intensity for each histogram. The frequency maximum of the curve is used as the background value (see page 71, 5.1- 5.2).

As to claims 7, 17 and 19, Applicant's argument is persuasive see Applicant's Remarks page 8, lines 13-19 filed March 18, 2004. Therefore, the rejection has been withdrawn.

As to claim 11, Applicant's argument is persuasive see Applicant's Remarks page 9, lines 3-6 filed March 18, 2004. Therefore, the rejection has been withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 1 is rejected under 35 U.S.C. 102(b) as being by Wayne F. Patton (Biologist's perspective on analytical imaging systems as applied to protein gel electrophoresis). Applicant's admitted prior art.

As to claim 1, Patton discloses a method of determining a background intensity an image comprising; selecting a plurality of spots within the image falling within a least squares curve fit (see page 71, paragraph 5.1. background determination, lines 1- 10);

determining constant background intensity for the spots within the curve fit (see page 71, paragraph 5.1. background determination, lines 1- 10).

Allowable Subject Matter

4. Claims 3-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 7-21 are allowed.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).



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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Barry Choobin whose telephone number is 703-306-5787. The examiner can normally be reached on M-F 7:30 AM to 18:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 703-308-5246. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Barry Choobin May 25, 2004

> BHAVESH M. MEHTA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600